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**Andon et al.**

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(54) **SYSTEM AND METHOD FOR PROVIDING  
CRYPTOGRAPHICALLY SECURED DIGITAL  
ASSETS**

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See application file for complete search history.

**ABSTRACT**

Presented are cryptographic digital assets for articles of  
footwear, methods for making/using such cryptographic  
digital assets, and decentralized computing systems with  
blockchain control logic for mining, intermingling, and  
exchanging blockchain-enabled digital shoes. A method of  
generating cryptographic digital assets for footwear includes  
a middleware server computer receiving, over a distributed  
computing network from a remote computing node, confir-  
mation of a validated transfer of footwear from one party to  
another. The middleware server computer determines, from  
an encrypted relational database, a unique owner ID code of  
the transferee party, and generates a cryptographic digital  
asset for the footwear. This cryptographic digital asset  
includes a digital shoe and a unique digital shoe ID code.  
The middleware server computer links the cryptographic  
digital asset with the unique owner ID code, and records the  
unique digital shoe ID code and the unique owner ID code  
on a transaction block with a distributed blockchain ledger.

**25 Claims, 10 Drawing Sheets**

